BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements to Drains at Kaveri Layout in Ward No. 03, Attur.

Sl. No	Description	Unit	Estimate Cost:						2000000.00
			No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
	Kaveri Layout		2	123.00	1.00	0.95	233.70		
	Basic Rate	130.00					233.70	250.24	58482.00
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		236.08							
	Area Weightage @ 6%	14.16							
	Total	**250.24**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.3 of PWD SR 2018-19**	Cum							
	Bottom Concrete								
	Kaveri Layout		2	123.00	1.00	0.15	36.90		
	Basic Rate	5102.00					36.90	5408.12	199560.00
	Area Weightage @ 6%	306.12							
	Total	5408.12							
3	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2018-19**	Cum							
	Bottom Concrete								
	Kaveri Layout		2	123.00	0.90	0.15	33.21		
	Side Wall								
	Kaveri Layout		4	123.00	0.15	0.60	44.28		
	Basic Rate	5444.00					77.49	5770.64	447167.00
	Area Weightage @ 6%	326.64							

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	5770.64							
	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500 Page No. 18 / Item No. 4.46.2, PWD SR 2018-19**	Tonne							
	For RCC Drain @ 60 Kg / Cum		0.06	77.49			4.65	75223.96	349746.00
	Basic Rate	70966.00							
	Area Weightage @ 6%	4257.96							
	Total	75223.96							
5	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.31 PWD SR 2018-19**	Sqm							
	Side Wall								
	Kaveri Layout		2x4	123.00		0.60	590.40		
	Basic Rate	358.00					590.40	379.48	224045.00
	Area Weightage @ 6%	21.48							
	Total	379.48							
6	KSRB 4-1.6 : Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.6 PWD SR 2018-19**	Cum							
	Covering Slab Ramp								
			2	123.00	0.30	0.10	7.38		
	Basic Rate	5422.00					7.38	5747.32	42415.00
	Area Weightage @ 6%	325.32							
	Total	5747.32							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
7	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge - Data rate	Sqm							
			2	123.00	0.90	0.6	132.84		
	missing slabs		120	0.90	0.60		64.80		
							197.64	2337.00	461885.00
					Sub Total =				1783300.00
	GST Charges 12%								213996.00
	Miscellaneous and other Charges	L/S							2704.00
								Total	2000000.00
	(Rupees twenty lakhs only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 This work included under 2018-19 POW Grants.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 03

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Satellite Town Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

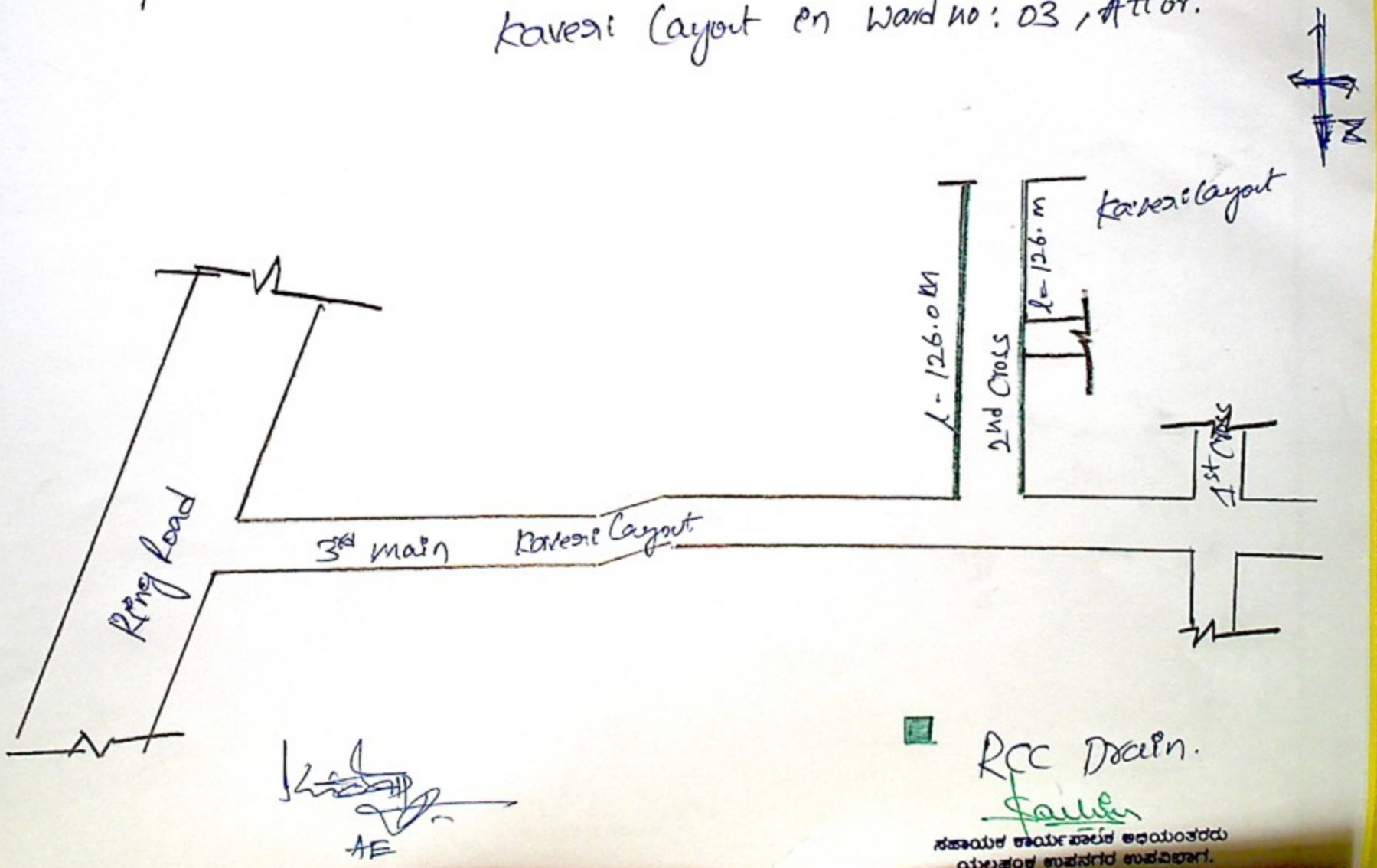
Administrative Sanction for Rs. 20.00 Lakh
Twenty Lakhs -
only.
is accorded under head P.1771 -
2018-19
Registered as CE No. 213 Subject to conditions contained in enclosed memo No. CE/AA/213/18-19 Dt. 25/2/19

Chief Engineer

TECHNICALLY SANCTIONED FOR Rs. 20.00 Lakh
Rupees Twenty Lakhs -
only
Under P.1771-2018-19
Registered as CE ( ) No. 213 99
Subject to conditions contained in enclosed memo EE (BC) No. 66 dt. 18/-19
Dt. Estimate A/ Sanctioned
EE/TS/66/18-19 No.
Dated 25-2-19 Rs. 20.00 lac

Executive Engineer

NAME OF WORK: Improvements to drains at Kaveri Layout on Ward no: 03, Attor.



AE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.